7" CAN HMI with Camera Inputs

7-inch dual-CAN cab display with two camera inputs and four analog inputs.



OVERVIEW

Our 7-inch operator display brings machine data, alarms and camera views onto one screen. It has two CAN channels, two analog camera inputs for backup and collision-avoidance views, four analog inputs and USB. We design up to ten custom screens around your machine.

- 7" TFT, 800 × 480
- 2 × CAN J1939
- 2 camera inputs
- 4 analog inputs + USB

SPECIFICATIONS

Display	Premium TFT, 7 in, 800 × 480 px, wide viewing angle
Memory	1 MB RAM, 2 MB flash (internal); 2 MB SDRAM, 16 MB flash, 64 KB EEPROM (external)
CAN	2 × CAN, SAE J1939, 250 or 500 kbps
Video	2 × analog camera inputs
Analog inputs	4
USB	USB 2.0 (bootloader and configuration)
Keypad	5-button bottom keypad (10-button option)
Tell-tales	9 customizable on top (amber / red / green), optional 10 on the side
Power supply	12 V or 24 V systems, 9-32 VDC
Ingress protection	IP67 (front), IP66 (rear with connectors)
EMC	ISO 13766 (emissions), SAE J1113-21 (immunity)
Temperature	-20 to +70 °C operating; -30 to +85 °C storage
Housing / lens	Black PC/ABS, UV resistant / polycarbonate, anti-scratch and anti-fog
Approvals	TS 16949, ISO 14001, RoHS, IP67

CONNECTION DETAILS

Cable 1	Cable 2
Power	AI 1
Ground	AI 2
CAN 1 High	AI 3
CAN 1 Low	AI 4
CAN 2 High	USB +
CAN 2 Low	USB -
Camera A	USB D+
Camera B	USB D-
Camera A GND	
Camera B GND	

TYPICAL APPLICATIONS

Refuse and sweeper cabs · Construction equipment with backup cameras · Sprayers and ag machines · Utility trucks

ORDERING

Part number	`ICDT-HMI7`
Order online	https://icdigitech.com/products/7-inch-can-hmi.html
Sales & support	info@icdigitech.com

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